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Crystallisation of co-polymeric polyester resin - using hot water flowing  
at specified linear velocity

Patent Assignee: TORAY IND INC (TORA )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 1180309	A	19890718	JP 884316	A	19880111	198934 B

Priority Applications (No Type Date): JP 884316 A 19880111

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 1180309	A	5		

Abstract (Basic): JP 1180309 A

The process involves dipping a polyester resin into a hot water which flows at a linear velocity 0.01 times higher than the average sedimentation velocity of the polyester in the hot water, and has a temp. higher than the Tg (glass transition temp.) of the polyester resin when dry, by 10deg.C or higher, and successively increasing the temp. of teh hot water at a rate of 100deg. C per hr. or lower while maintaining the linearr velocity.

USE/ADVANTAGE - Conventional fusing of polymeric polyester resin particles when heated for drying is prevented. The handling for film forming, spinning, etc. is good. The method is inexpensive without the use of chemicals, and is pref. form the hygienic standpoint.

Derwent Class: A23; F01

International Patent Class (Additional): B29B-013/06; C08J-003/14